

# 10/849,346

## EAST SEARCH NOTES (cont.)

Part (I) SEARCH STRATEGY

Part (II) SEARCH RESULTS

**Part (II) Results Identified As Follows**

(C) DOCUMENTS CITED BY EXAMINER ON PTO-892

(1) HIGHLY RELEVANT [X-TYPE] DOCUMENTS

(2) PARTIALLY RELEVANT [Y-TYPE] DOCUMENTS

(3) BACKGROUND [A-TYPE] DOCUMENTS

(4) DOCUMENTS CITED BY APPLICANT PTO-1449

	Hits	Search Text	DBs
1	148	((fabry adj perot or fabry\$1perot) same (optical adj switch))	USPAT; US-PGPUB
2	7	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (fault adj tolerant adj network)	USPAT; US-PGPUB
3	20	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (optical adj processing)	USPAT; US-PGPUB
4	32	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (communicat\$4 near2 method\$1)	USPAT; US-PGPUB
5	7	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND ((fault adj tolerant adj network) same (switching adj operation))	USPAT; US-PGPUB
6	52	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND demultiplexer	USPAT; US-PGPUB
7	2	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND ((fault adj tolerant adj network) same (substantially adj transmissive))	USPAT; US-PGPUB
8	3	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND ((optical adj processing) same demultiplexer)	USPAT; US-PGPUB
9	53	((fabry adj perot or fabry\$1perot) same (optical adj switch)) and (lens lenses)	USPAT; US-PGPUB
10	2	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (demultiplex\$3 same lenses)	USPAT; US-PGPUB
11	2	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (demultiplex\$3 same lenses)	USPAT; US-PGPUB
12	1	((fabry adj perot or fabry\$1perot) same (optical adj switch)) and (plurality adj2 lenses)	USPAT; US-PGPUB
13	0	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND ((optical adj processing) same demultiplexer same lenses same switching)	USPAT; US-PGPUB
14	29	((fabry adj perot or fabry\$1perot) same (optical adj switch))	EPO; JPO; DERWENT
15	3	((fabry adj perot or fabry\$1perot) same (optical adj switch)) and (lens lenses)	EPO; JPO; DERWENT
16	1	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND demultiplexer	EPO; JPO; DERWENT
17	0	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (fault adj tolerant adj network)	EPO; JPO; DERWENT
18	0	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (optical adj processing)	EPO; JPO; DERWENT
19	0	((fabry adj perot or fabry\$1perot) same (optical adj switch)) AND (communicat\$4 near2 method\$1)	EPO; JPO; DERWENT
20	528	(359/290).CCLS.	USPAT; US-PGPUB
21	763	(359/291).CCLS.	USPAT; US-PGPUB
22	226	(359/578).CCLS.	USPAT; US-PGPUB
23	176	(359/583).CCLS.	USPAT; US-PGPUB
24	55	(359/579).CCLS.	USPAT; US-PGPUB
25	721	(359/589).CCLS.	USPAT; US-PGPUB
26	1625	(385/16).CCLS.	USPAT; US-PGPUB
27	481	(385/47).CCLS.	USPAT; US-PGPUB
28	165	(398/48).CCLS.	USPAT; US-PGPUB
29	101	(398/49).CCLS.	USPAT; US-PGPUB
30	88	((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)	USPAT; US-PGPUB

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	Hits	Search Text	DBs
31	3	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((fault adj tolerant adj network).clm.)	USPAT; US-PGPUB
32	4	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((optical adj processing).clm.)	USPAT; US-PGPUB
33	9	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((communicat\$4 near2 method\$1).clm.)	USPAT; US-PGPUB
34	11	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((demultiplexer).clm.)	USPAT; US-PGPUB
35	2	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((fault adj tolerant adj network) same (switching adj operation)).clm.	USPAT; US-PGPUB
36	2	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((fault adj tolerant adj network) same (substantially adj transmissive)).clm.	USPAT; US-PGPUB
37	2	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((fault adj tolerant adj network) same (transmission near4 voltage)).clm.	USPAT; US-PGPUB
38	3	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((optical adj processing) same demultiplexer).clm.	USPAT; US-PGPUB
39	4	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) and (lens lenses).clm.	USPAT; US-PGPUB
40	0	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((optical adj processing) same demultiplexer same lenses same switching).clm.	USPAT; US-PGPUB
41	0	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND ((optical adj processing) same demultiplexer same lenses).clm.	USPAT; US-PGPUB
42	0	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) AND (demultiplex\$3 same lenses).clm.	USPAT; US-PGPUB
43	0	(((ISLAM-mohammed).IN.) ((ISLAM-mohammed-n).IN.) ((KUDITCHER-amos).IN.)) and (plurality adj2 lenses).clm.	USPAT; US-PGPUB
44	7	(US-6654157-\$ or US-6611366-\$ or US-6597491-\$ or US-6407851-\$).did. or (US-20030035194-\$ or US-20030035193-\$ or US-20020159129-\$).did.	USPAT; US-PGPUB
45	7	((US-6654157-\$ or US-6611366-\$ or US-6597491-\$ or US-6407851-\$).did. or (US-20030035194-\$ or US-20030035193-\$ or US-20020159129-\$).did.) and ((lens lenses) SAME (space spaced spacing) SAME axis SAME central same collimat\$3).	USPAT; US-PGPUB
46	52	((("20020035193" "20030081878" "20030086465" "20030095736" "20030095738" "4011009" "4900119" "5103340" "5212743" "5291502" "5311360" "5343542" "5459610" "5500761" "5654819" "5659418" "5661592" "5701193" "5745271" "5751469" "5774252" "5825528" "5835255" "5841579" "5850492" "5870221" "5909303" "5914804" "5920391" "5943155" "5943158" "5943454" "5949571" "5949801" "5960133" "5974207" "5986796" "5999319" "0055147" "6002513" "6025950" "6041071" "6123985" "6204946" "6271052" "6301274" "6341039" "6373632" "6381387" "6407851" "6597492" "6611366" "6654157").PN.) NOT ("0055147").PN.	USPAT; US-PGPUB

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(2/2)

	C	1	2	3	4	Document ID ▾	Title	Current OR
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6654157 B2	Micromechanical optical switch	359/291
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6611366 B2	Micromechanical optical switch	359/291
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6597492 B1	Fabrication of an invertedly poled domain structure from a ferroelectric crystal	359/326
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6597491 B2	Micromechanical optical switch	359/291
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6407851 B1	Micromechanical optical switch	359/291
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6381387 B1	Athermalization of a wavelength routing element	385/37
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6373632 B1	Tunable Fabry-Perot filter	359/578
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6341039 B1	Flexible membrane for tunable fabry-perot filter	359/578
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6301274 B1	Tunable external cavity laser	372/20
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6271052 B1	Process for integrating dielectric optical coatings into micro-electromechanical devices	438/50
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6204946 B1	Reconfigurable wavelength division multiplex add/drop device using micromirrors	398/9
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6123985 A	Method of fabricating a membrane-actuated charge controlled mirror (CCM)	427/162
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6041071 A	Electro-optically tunable external cavity mirror for a narrow linewidth semiconductor laser	372/64
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6025950 A	Monolithic all-semiconductor optically addressed spatial light modulator based on low-photoconductive semiconductors	359/244
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6002513 A	Optical modulator providing independent control of attenuation and spectral tilt	359/291
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5999319 A	Reconfigurable compound diffraction grating	359/573

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PART II  
(1/3)

	C	1	2	3	4	Document ID ▾	Title	Current OR
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5986796 A	Visible spectrum modulator arrays	359/260
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5974207 A	Article comprising a wavelength-selective add-drop multiplexer	385/24
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5960133 A	Wavelength-selective optical add/drop using tilting micro-mirrors	385/18
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5949801 A	Tunable laser and method for operating the same	372/20
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5949571 A	Mars optical modulators	359/291
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5943454 A	Freespace optical bypass-exchange switch	385/22
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5943158 A	Micro-mechanical, anti-reflection, switched optical modulator array and fabrication method	359/295
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5943155 A	Mars optical modulators	359/247
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5920391 A	Tunable Fabry-Perot filter for determining gas concentration	356/519
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5914804 A	Double-cavity micromechanical optical modulator with plural multilayer mirrors	359/291
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5909303 A	Optical modulator and optical modulator array	359/248
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5870221 A	Micromechanical modulator having enhanced performance	359/290
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5850492 A	Acousto-optical waveguide device with compensation of polarization mode dispersion	385/11
30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5841579 A	Flat diffraction grating light valve	359/572
31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5835255 A	Visible spectrum modulator arrays	359/291
32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5825528 A	Phase-mismatched fabry-perot cavity micromechanical modulator	359/291
33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5774252 A	Membrane device with recessed electrodes and method of making	359/224
34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5751469 A	Method and apparatus for an improved micromechanical modulator	359/291
35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5745271 A	Attenuation device for wavelength multiplexed optical fiber communications	398/87
36	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5701193 A	Optical reflection modulator	359/290
37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5661592 A	Method of making and an apparatus for a flat diffraction grating light valve	359/291

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PART II  
(2/3)

	C	1	2	3	4	Document ID ▾	Title	Current OR
38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5659418 A	Structure for membrane damping in a micromechanical modulator	359/290
39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5654819 A	Micromechanical modulator	359/291
40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5500761 A	Micromechanical modulator	359/290
41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5459610 A	Deformable grating apparatus for modulating a light beam and including means for obviating stiction between grating elements and underlying substrate	359/572
42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5343542 A	Tapered fabry-perot waveguide optical demultiplexer	385/31
43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5311360 A	Method and apparatus for modulating a light beam	359/572
44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5291502 A	Electrostatically tunable optical device and optical interconnect for processors	372/20
45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5212743 A	Automatic polarization controller having broadband, reset-free operation	385/11
46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5103340 A	Multiple-cavity optical filter using change of cavity length	359/578
47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4900119 A	Wavelength selective optical devices using optical directional coupler	385/27
48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4011009 A	Reflection diffraction grating having a controllable blaze angle	359/571
49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030095738 A1	Planar optical circuit and optical transmission system	385/14
50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030095736 A1	Transmitter photonic integrated circuit (TxPIC) chip architectures and drive systems and wavelength stabilization for TxPICs	385/14
51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030086465 A1	Heat isolation and dissipation structures for optical components in photonic integrated circuits (PICs) and an optical transport network using the same	372/50
52	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030081878 A1	Transmitter photonic integrated circuit (TxPIC) chip with enhanced power and yield without on-chip amplification	385/14
53	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030035194 A1	Micromechanical optical switch	359/290
54	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030035193 A1	Micromechanical optical switch	359/290
55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020159129 A1	Micromechanical optical switch	359/291
56	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020035193 A1	Process for preparing two-phase polymers in the form of their aqueous dispersions and water-redispersible powders	524/460

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PART  
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